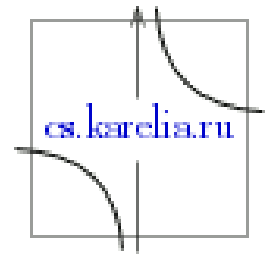




Petrozavodsk State University  
Department of Computer Science



Oksana Petrina, Sergey Marchenkov, Andrey Vdovenko

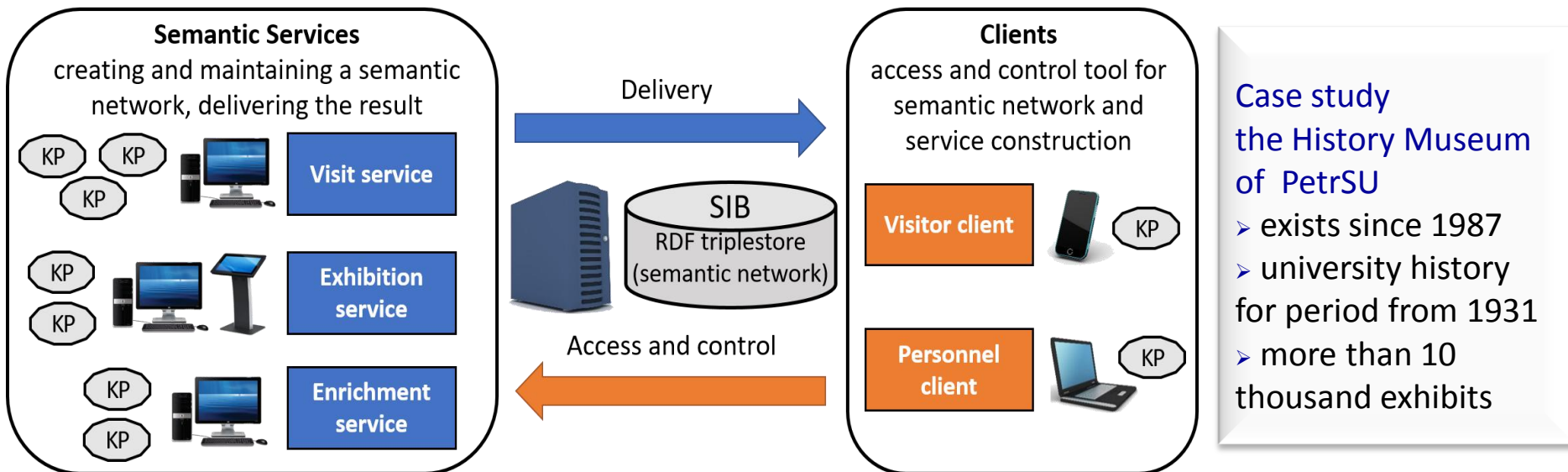
# Smart Services Demo for the History Museum of Petrozavodsk State University

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# Smart Museum infrastructure components



**Case study**  
the History Museum of PetrSU

- exists since 1987
- university history for period from 1931
- more than 10 thousand exhibits

## Smart services

- Visit service
- Exhibition service
- Enrichment service



# Visitor client



# Personnel client

Smart Museum

**Galina Ivanova**  
Profile information

Personal information  
test2  
Name  
test3@petsu.ru  
Email

Educational information  
Петрозаводский государственный университет  
University  
Историко-филологический  
Department  
1975  
Start year

Visit program editing <http://smartroom.cs.karelia.ru/museum/>

Save Delete

Is current  
Title:  
General program  
Description:  
Program for default participant

Add selected items студент  
Select all Un-select all

Clean  
There are 297 exhibit slots

- Фотография студентов II курса Исторического факультета ПетГУ на крыльце университета, 1972 г.
- Фотография студентов Исторического факультета ПетрГУ Н. Десятковой и Н. Гусаровой, 1970-е гг.
- Фотография студентов ПГУ на первомайской демонстрации
- Фотография студентов ПГУ на первомайской демонстрации

- Фотография турклуба "Сампо" в лыжном походе
- Фотография турклуба "Сампо" в лыжном походе
- Фотография Юрия Степановича Ланева
- Фотография Юрия Степановича Ланева
- Фотография Георгия Ервандовича Терацянца

- profile
- personal program viewing
- addition of annotation to exhibit

- choosing exhibits for the exposition
- adding new exhibits
- moderating information coming from the visitors

# Exhibition service



current exhibit



Visit program

Exhibit details



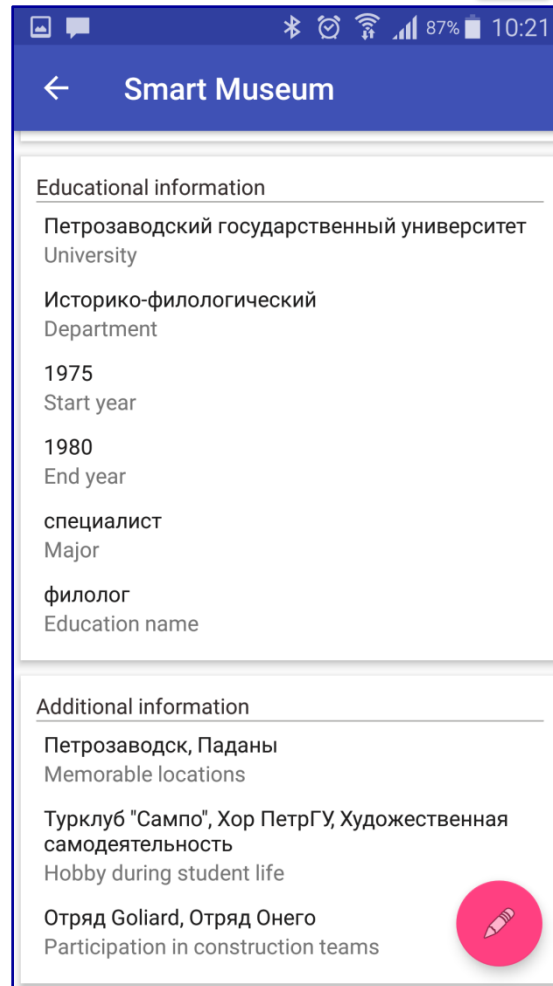
- shows visual information on **exhibition touch screens** or on **personal mobile devices** of the visitors



# Visit service

- constructs a personalized exposition of recommended exhibit
- operates with exhibit ranking
- personal program is visualized on personal mobile devices of the users

## Profile details



Smart Museum

Educational information

Петрозаводский государственный университет  
University

Историко-филологический  
Department

1975  
Start year

1980  
End year

специалист  
Major


филолог  
Education name

Additional information

Петрозаводск, Паданы  
Memorable locations

Турклуб "Сампо", Хор ПетрГУ, Художественная самодеятельность  
Hobby during student life


Отряд Goliard, Отряд Онего  
Participation in construction teams




## Personal program



Personal program

 Фотография бойцов ССО «Goliard», 1976 г.  
Фотодокумент  
Rank is 6

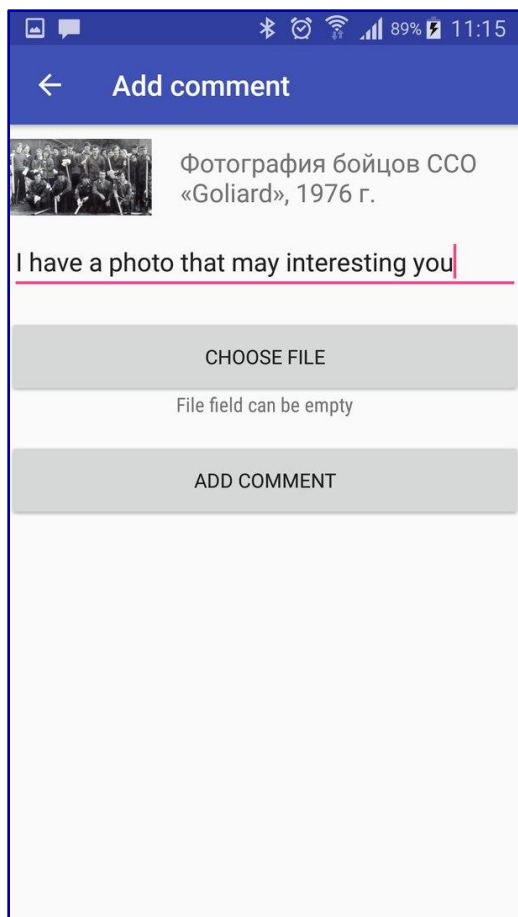
 Фотография бойцов отряда Goliard, 1976  
Фотодокумент  
Rank is 5

 Форма бойца ССО «Goliard» Г. В. Чумакова, 1970-е гг.  
Материальный объект  
Rank is 3

 Фотография бойца ССО «Goliard» Г. В. Чумакова, 1976 г.  
Фотодокумент  
Rank is 3



# Enrichment service



- museum visitor can enrich descriptions of studied exhibits, e.g., in the form of adding annotations

